7F8

MEDIUM-MU TWIN TRIODE

GENERAL DATA

Electrical:

Heater, for Unipotential Cathodes:

Voltage	6.3□	ac or dc volts
Current	0.3□□	amp

Direct Interelectrode Capacitances:

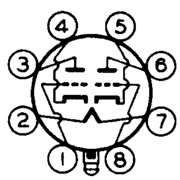
Each Unit:		
Grid to Plate	1.2*	μμf
Grid to Cathode	2.8*	μμf
Plate to Cathode	1.4*	μμf
Heater to Cathode	2.8**	μμf
Grid to Grid	0.1 max.*	μμf
Plate to Plate	0.5 max.*	μμf

* With external shield connected to cathode.
** With external shield connected to ground.

Mechanical:

Mounting Position	Any
Maximum Overall Length	2-9/32"
Maximum Seated Length	1-3/4"
Maximum Diameter	1-3/16"
Bulb	T-9
Base	Lock-in 8-Pin
Basing Designation for BOTTOM VIEW	8BW

Pin 1 - Grid of Unit No.2
Pin 2 - Heater
Pin 3 - Plate of Unit No.2
Pin 4 - Cathode of Unit No.2
Pin 5 - Cathode of Unit No.1



Pin 6 - Plate of Unit No.1
Pin 7 - Heater
Pin 8 - Grid of Unit No.1
Plug - Base Shell

AMPLIFIER - Class A_1

Values are for each unit

Maximum Ratings, ***Design-Center Values*:**

PLATE VOLTAGE	300 max.	volts
PLATE DISSIPATION (Total for both units)	3.5 max.	watts
GRID VOLTAGE:		
Positive bias value	0 max.	volts
PEAK HEATER-CATHODE VOLTAGE:		
Heater negative with respect to cathode	90 max.	volts
Heater positive with respect to cathode	90 max.	volts

Characteristics:

Plate Voltage	250	volts
Cathode-Bias Resistor	500	ohms
Amplification Factor	48	

□ Nominal voltage = 7.0 volts. □□ Nominal current = 0.32 ampere.

TUBE DEPARTMENT
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

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Plate Resistance (Approx.)	14500	. .	ohms
Transconductance	3300	. .	μmhos
Plate Current	6	. .	ma
Grid Bias for plate current of 10 μa (Approx.)	-11	. .	volts

Maximum Circuit Values (for maximum rated conditions):

Grid-Circuit Resistance:
For cathode-bias operation . . . . 0.5 max. megohm